Double-Level Spring-Cage Feed-Through Terminal Blocks STTBS

Article description	**STTBS 2,5** *
Article no.	3038464 *
EC-TYPE EXAMINATION CERTIFICATE **IECEx-CERTIFICATE**	**PTB 07ATEX1027 U *** **IECEx PTB 07.0024 U ***
Marking	0344 Ex 2 II GD Ex eb IIC PTB 07ATEX1027 U IECEx PTB 07.0024 U
Assembly on mounting rails	NS 35 acc. to EN 60715-TH 35
Stripping length	10 mm
Assembly instructions	See page 2
Operating temperature range	-50 °C … +110 °C

Technical data according to IEC/EN 60079-7 (increased safety „e“)

Rated insulation voltage Rated voltage	400 V 440 V	
Nominal current	19,5 A	
Max. current	23,5 A	
Connection capacity		
Rated cross-section	2,5 mm²	AWG 14
Max. conductor cross-section	4 mm²	AWG 12
Connectable conductor cross-section	0,08 - 4 mm² rigid 0,08 - 2,5 mm² flexible	AWG 28 - 12 AWG 28 - 14

Data of insulation material

Description	PA 6.6
Creep resistance acc. to IEC 60112 / material group	CTI 600 / I

Accessories	**Description**	**Article no.**	
Cover	D-STTBS 2,5	3038503	
Jumper	FBS 2-5	3030161	
	FBS 3-5	3030174	
	FBS 4-5	3030187	Max. 19 A / 2,5 mm²
	FBS 5-5	3030190	Max. 21,5 A / 4 mm²
	FBS 10-5	3030213	
	FBS 20-5	3030226	

* valid for colour variants

Important assembly instructions – increased safety „e“

The Terminal Blocks are suitable for use in enclosures in atmospheres with flammable gases or combustible dust. For flammable gases these enclosures must satisfy the requirements according to IEC/EN 60079-0 and IEC/EN 60079-7. For combustible dust these enclosures must satisfy the relevant requirements according to IEC/EN 60079-31.

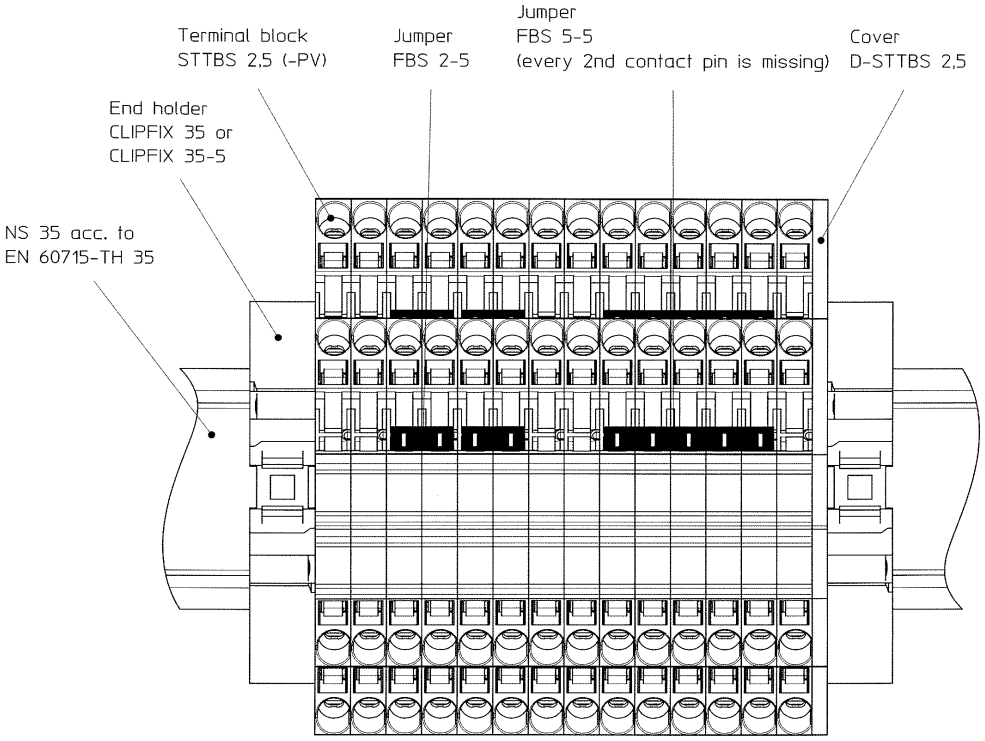
When assembling with other certified series and sizes of terminal blocks and using accessories designed for the purpose, the required creepage distances and clearances have to be observed.

When using the jumpers to achieve a skipped bridging the rated voltage is reduced to 352 V.

If conductors with smaller cross section than the rated cross section are used, the assigned lower current has to be specified in the EC-Type Examination Certificate of the complete apparatus.

The Terminal Blocks may be used, based on the self-heating when used at the nominal current and at ambient temperatures of -50 °C to +40 °C at the mounting position in electrical apparatus, e.g. junction and connection boxes, for temperature class T6. When the Terminal Blocks are used in electrical apparatus of temperature classes T1 up to T5, the highest temperature of the insulating material shall not exceed the maximum value of the operating temperature range.

The Terminal Blocks and their appropriate accessories have to be assembled as specified below.



Operational instructions – Intrinsic safety "i"

IEC/EN 60079-14 Clause 12 describes modular terminal blocks as simple apparatus when used in intrinsically-safe circuits. Testing by a notified body and marking is not required. If terminal blocks be identifiable as part of an intrinsically circuit are marked by a colour, the colour used shall be light blue.

Testing for compliance to intrinsically safe requirements including clearance, creepage, and solid insulation distances specified in IEC/EN 60079-0 and IEC/EN 60079-11 have been performed for circuits up to **60 V**.

Compliance with distance requirements of IEC/EN 60079-14 Clause 12.2.3 for the connection of separated intrinsically-safe circuit accessories is met. A minimum distance of 50 mm to separate clamping units of intrinsically-safe and non intrinsically-safe circuits is required through the use of a separating plate or similar device.

Attestation of Conformity

The above mentioned product is in line with the provisions of the below marked directive and their modification directive(s):

2014/34/EU ATEX Directive

Compliance with Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2006 IEC 60079-0:2004	EN 60079-7:2007 IEC 60079-7:2006

Current eddition:)*

EN 60079-0:2012 *IEC 60079-0:2011*	*EN 60079-7:2007* *IEC 60079-7:2015*

The conformity with the provisions of the ATEX directive were certified by

Notified Body:	PHYSIKALISCH-TECHNISCHE BUNDESANSTALT	
Adress:	Bundesallee 100, 38116 Braunschweig, Germany	[Ident.-No.: 0102]
Certificate: (No., Date)	PTB 07ATEX1027 U, 2007-09-26	

*) With the exception of the EPL marking, the minor respectively formal changes of the new edition of the mentioned standards do not affect the EHSRs. Consequently the terminal blocks still comply with the relevant requirements of the ATEX Directive.

Blomberg, 2016-04-20

i. A. Gerhard Leßmann Business Unit Industrial Cabinet Connectivity Ex-Representative	ppa. R. Berndt Ralf Berndt Business Unit Industrial Cabinet Connectivity Vice President

This attestation certifies the conformity with the indicated directive, it does not, however, covenant any characteristics.
The instructions for safety and installation have to be observed.

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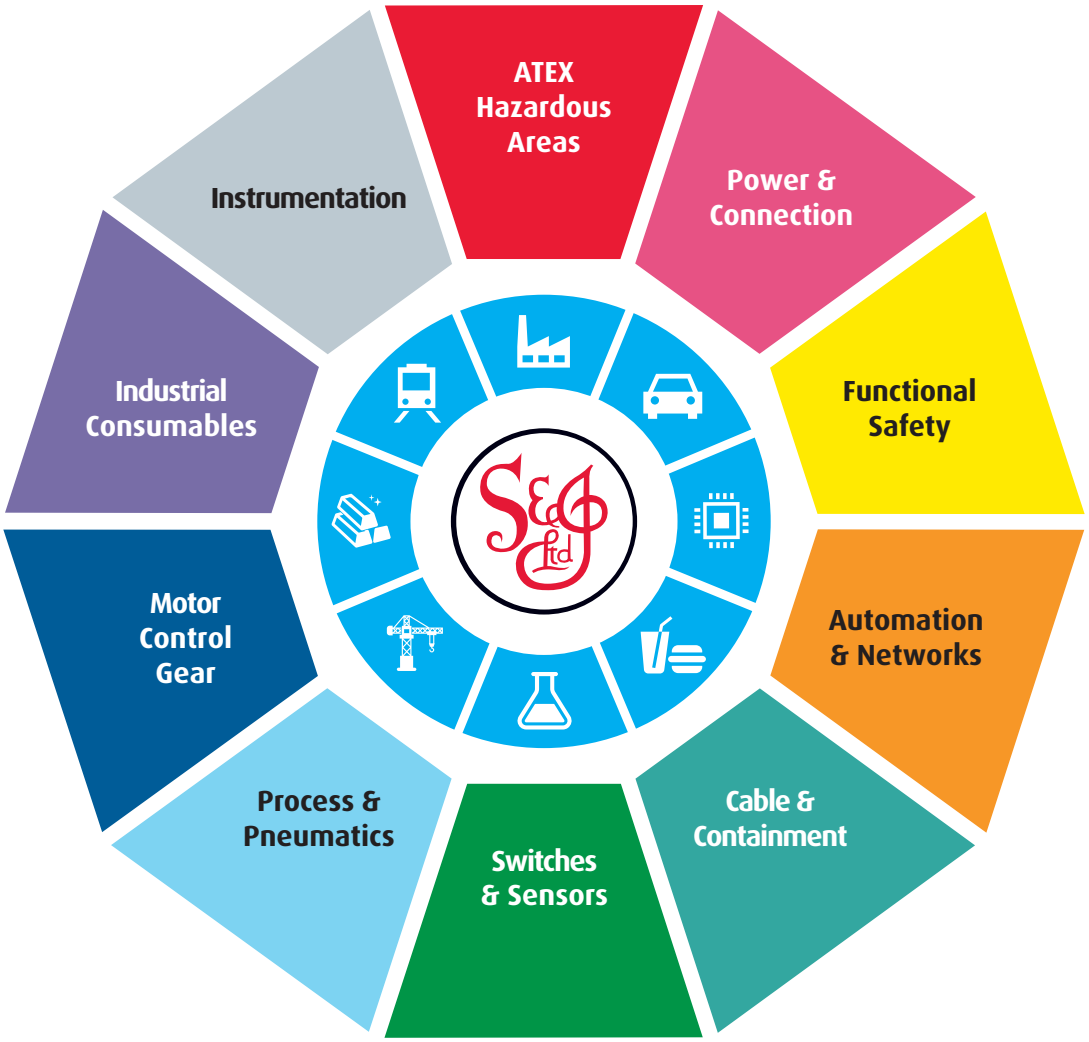

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